

## ABSTRACT

A wire cut electric discharge machine having rollers is disclosed. It has a wire electrode disposed in a working zone of the electric discharge machine. This wire electrode is rolled by a rolling device so that the cross-sectional area of this wire electrode changes from a circular area into an elongated one. After rolled, the wire electrode has two parallel rolled flat surfaces. The working width between these flat surfaces is smaller than the original diameter of the wire electrode before rolled. So, the cutting width is narrower than before. By using the rolled wire electrode, this invention can reduce the cutting width limit. I can improve the precision of the product, without changing the material property of the wire electrode. And, it can reduce the cost of the wire electrode.